

# **METHODS AND COMPOSITIONS FOR INHIBITING THROMBIN GENERATION AT THE SURFACE OF CELLS**

## **ABSTRACT OF THE DISCLOSURE**

The present invention provides methods for preventing the generation of active thrombin on the surface of cells. The present methods are based upon the surprising discovery that expression or activation of an ER resident chaperone protein in a cell inhibits  
5 the generation of thrombin on the surface of the cell. Accordingly, expressing or activating an ER resident chaperone protein can be used to treat or prevent any of a number of thrombotic diseases.

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